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BELCO UNION MEAD COM #2

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FEB -6 '90

- 1- 7-73 Ran correlation log. Ran tubing conveyed perforating guns, packer, 2-3/8" tubing and 2-7/8" tubing. Presently going in hole with Gamma Ray collar log to position packer and perforating guns. Prepare to perforate intervals 11,633'-11,637'
11,617'-11,621'
11,608'-11,612'
11,592'-11,594'
11,551'-11,554'
- 1- 8-73 Positioned guns and set packer. Nippled up on top of BOP. Pulled tubing plug. Dropped bar to detonate perforating charges. Guns did not fire. Pulled 8547' of 2-7/8" tubing and shut-in for night.
- 1- 9-73 Finished pulling tubing, packer, and perforating guns. Reran perforating guns, packer, and tubing. Positioned guns, set packer, and nipped up wellhead. Pulled tubing plug and fired casing guns. Well is flowing with very light blow.
- 1-10-73 Flowing with very weak blow. Shut-in for two hours - had no pressure buildup. Had to shut down due to weather.
- 1-11-73 18 hour SITP - 0#. Rigged up Howco and pumped 2000 gallons 2% KCL water containing one gallon per thousand of Morflo II and 3# per thousand gallons of FR-18.
Breakdown Pressure - 5600#
Maximum Pressure - 7000# @ 5.5 BPM
Pressure broke back to 6600# @ 5.5 BPM
ISIP - 3100#
15 min. SIP - 2100#
Opened well to pit and pressure bled to zero immediately. Swabbed fluid level down to 8500' in 5 hours with slight show of gas. This a.m. fluid level at 3500'. Fluid level swabbing down with slight show of gas. Preparing to displace hole with KCL water, pull packer, set drillable bridge plug at 11,500', and proceed with completion of upper Morrow Zone.
- 1-12-73 Ran swab, found fluid level at 3500' from surface. Swabbed fluid level down to 7500' with very slight show of gas. Released packer and displaced hole to 10,500' with 2% KCL water. Pulled tubing and packer. Ran drillable bridge plug on wireline and set at 11,500'. Ran Guiberson Unipacker VI with PSI profile nipple in Guiberson type "L" on & off tool on top of packer. Ran 21 stands 2-3/8" EUE N-80 tubing. Well kicked indicating communication by top of liner.
- 1-13-73 Set blanking plug in tubing. Finished running tubing. Set packer at 11,249'. Retrieved blanking plug. Rigged up and perforated from 11,464'-11,468', 11,448'-11,454', 11,411'-11,415', and 11,352'-11,358' with 2 shots per foot. Had very slight blow. Ran swab, had no fluid to 8500'.
- 1-14-73 Prep to acidize. Ran swab, found fluid level at 8400'. Had very slight gas blow. Shut well in. Prep to treat with acid and CO₂.
- 1-15-73 Treated well with 2000 gallons Howco Morrow Flow Acid (5% HCL + 2% KCL) treatment and 15 tons of CO₂.